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INDEX TO AMERICAN BOTANICAL LITERATURE

(1908-1912)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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Abrams, L. R. The *Monardellas* of Southern California—I. *Muhlenbergia* **8**: 26-36. 30 Mr 1912;—II. *Muhlenbergia* **8**: 37-44. 25 Ap 1912.

Includes descriptions of *Monardella cinerea*, *M. australis*, *M. lanata*, and *M. Elmeri* spp. nov.

Allen, C. A. Cell structure, growth, and division in the antheridia of *Polytrichum juniperinum* Willd. *Archiv Zellforsch.* **8**: 121-188. *pl.* 6-9. 23 Ap 1912.

Arnoldi, W. Algologische Studien. Zur Morphologie einiger Dasycladaceen (*Bornetella*, *Acetabularia*). *Flora* **104**: 85-101. *f.* 1-16. 1 Mr 1912.

Bailey, W. W. Horsetails and scouring rushes. *Am. Bot.* **18**: 40-42. My 1912.

Beal, W. J. Michigan weeds. *Michigan Agr. Exp. Sta. Bull.* 267: 278-458. *f.* 1-248. D 1911.

Beal, W. J. Seeds of Michigan weeds. *Michigan Agr. Exp. Sta. Bull.* 260: 103-182. *f.* 1-214. Mr 1910.

Beckwith, F. Early botanists of Rochester and vicinity and the botanical section. *Proc. Rochester Acad. Sci.* **5**: 39-58. F 1912. [Illust.]

Belling, J. Report of assistant botanist. *Univ. Florida Exp. Sta. Rep.* **1911**: lxxii-cv. *f.* 15-31. 1912.

Discusses the second generation of the cross between velvet and Lyon beans.

- Benedict, R. C.** Carl Frederik Albert Christensen: some biographical notes. *Am. Fern Jour.* **2**: 53-57. 11 My 1912. [Illust.]
- Berger, E. W.** Report of entomologist. Univ. Florida Agr. Exp. Sta. Rep. **1911**: xl-lvii. 1912.
Includes notes on "Fungus diseases of whitefly."
- Bissell, C. H., & Fernald, M. L.** A new variety of *Lespedeza capitata*. *Rhodora* **14**: 91, 92. 1 My 1912.
- Bush, B. F.** The geographic origin of *Crataegus viridis* L. *Rhodora* **14**: 81-86. 1 My 1912.
- Conger, A. C.** Some entomophilous flowers of Cedar Point, Ohio. *Ohio Nat.* **12**: 500-504. *pl.* 24. Ap 1912.
- Darling, N.** Observations on some lycopodiums of Hartland, Vt. *Am. Fern Jour.* **2**: 49-53. *f.* 1-5. 11 My 1912.
- Deane, W.** *Festuca ovina* L., var. *duriuscula* (L.) Koch in Shelburne, New Hampshire. *Rhodora* **14**: 92-94. 1 My 1912.
- Dixon, H. N.** Abnormality in moss leaves. *Bryologist* **15**: 38. My 1912.
- Dodge, B. O.** Methods of culture and the morphology of the archicarp in certain species of the *Ascobolaceae*. *Bull. Torrey Club* **39**: 139-197. *pl.* 10-15 + *f.* 1, 2. 17 My 1912.
- Elmer, A. D. E.** *Euphorbiaceae* collected on Palawan Island. Leaflets Philip. Bot. **4**: 1271-1306. 23 D 1911.
Nineteen new species are described.
- Elmer, A. D. E.** A fascicle of Davao figs. Leaflets Philip. Bot. **4**: 1231-1270. 19 D 1911.
Includes descriptions of 14 new species in *Ficus*.
- Elmer, A. D. E.** A fascicle of Palawan figs. Leaflets Philip. Bot. **4**: 1363-1397. 26 F 1912.
Includes descriptions of 9 new species.
- Elmer, A. D. E.** A fascicle of Sibuyan figs. Leaflets Philip. Bot. **4**: 1307-1325. 29 D 1911.
Includes *Ficus terminalifolia* and *F. sibuyanensis* spp. nov.
- Elmer, A. D. E.** Four new *Dipterocarpaceae*. Leaflets Philip. Bot. **4**: 1469-1474. 22 Mr 1912.
Includes *Hopea Foxworthyi*, *H. glutinosa*, *Vatica obtusifolia*, and *V. Blancoana* spp. nov.
- Elmer, A. D. E.** New *Apocynaceae*. Leaflets Philip. Bot. **4**: 1445-1467. 18 Mr 1912.
Eighteen new species described.
- Elmer, A. D. E.** Notes and descriptions of *Eugenia*. Leaflets Philip. Bot. **4**: 1399-1444. 13 Mr 1912.
Includes 29 new species.

- Elmer, A. D. E.** Palawan *Rubiaceae*. Leaflets Philip. Bot. **4**: 1327-1362. 22 Ja 1912.
Eighteen new species described.
- Evans, A. W.** Notes on New England *Hepaticae*—IX. *Rhodora* **14**: 1-18. 9 Ja 1912.
Includes *Odontoschisma elongatum* sp. nov.
- Farlow, W. G.** The fungus of the chestnut-tree blight. *Science* II. **35**: 717-722. 10 My 1912.
Brings together material relating to the identity of *Diaporthe parasitica* Murrill, suggesting possible relationship with *Endothia radicalis*.
- Fawcett, H. S.** Report of plant pathologist. Univ. Florida Agr. Exp. Sta. Rep. **1911**: lviii-lxxvii. f. 7-9. 1912.
Gives a short account of the occurrence of fungi causing rot and gumming of peach and orange trees.
- Fedde, F.** Neue Arten aus der Verwandtschaft der *Corydalis aurea* Willd. von Nord-Amerika—III. *Repert. Sp. Nov.* **10**: 379, 380. 15 Mr 1912;—IV. *Repert. Sp. Nov.* **10**: 417-419. 10 Ap 1912.
- Fernald, M. L.** *Viola renifolia* and *V. Brainerdii*. *Rhodora* **14**: 86-88. 1 My 1912.
- Floyd, B. F.** Report of plant physiologist. Univ. Florida Agr. Exp. Sta. Rep. **1911**: lxxviii-lxxxii. f. 10-14. 1912.
Contains reports on experiments to determine the relation of fertilizers to diseases that affect the orange tree.
- Forti, A.** Contribuzioni diatomologiche. XII. Metodo di classificazione delle Bacillariee Immobili fondato sull'affinità morfologica dei frustoli ed in relazione con l'evoluzione dell'auxospora. *Att. Ist. Ven.* **71**: 677-731. 1912.
Includes a key to the genera.
- Freeman, G. F., & Jones, D. F.** Plant breeding. *Ann. Rep. Univ. Arizona Agr. Exp. Sta.* **1911**: 541-546. 30 D 1911.
- Freygang, O.** Eine Reiseerinnerung. *Monats. Kakteenk.* **22**: 56, 57. 15 Ap 1912.
- Greene, E. L.** Accessions to Canadian botany—I. *Ottawa Nat.* **25**: 145-147. Ja 1912.
- Greenman, J. M.** Sir Joseph Dalton Hooker. *Bot. Gaz.* **53**: 438-440. 15 My 1912. [Illust.]
- Harris, J. A.** The influence of the seed upon the size of the fruit in *Staphylea*—II. *Bot. Gaz.* **53**: 396-414. f. 1. 15 My 1912.
- Harter, L. L.** Diseases of cabbage and related crops and their control. U. S. Dept. Agr. Farm. Bull. 488: 5-32. f. 1-7. 15 Ap 1912.
- Hasse, H. E.** Additions to the lichen flora of Southern California. No. 7. *Bryologist* **15**: 45-48. My 1912.
Lecidea bullata and *Mycoporellum Hassei* spp. nov. described.

- Hedgcock, G. G.** Notes on some western *Uredineae* which attack forest trees. *Mycologia* 4: 141-147. My 1912.
- Hedgcock, G. G., & Long, W. H.** Preliminary notes on three rots of Juniper. *Mycologia* 4: 109-114. *pl.* 64, 65. My 1912.
Fomes juniperinus, *F. Earlei*, and *F. texanus*.
- Heese, E.** Besichtigung der Kakteenkulturen von Walter Mundt, Mahlsdorf, am 27. August 1911. *Monats. Kakteenk.* 21: 153, 154. 15 O 1911; 21: 173-175. 15 N 1911.
- Heller, A. A.** The flora of the Ruby Mountains—IV. *Muhlenbergia* 8: 21-24. *pl.* 4. 29 F 1912.
Includes description of *Apocynum cinereum* sp. nov.
- Heller, A. A.** New combinations—V. *Muhlenbergia* 7: 123, 124. 25 Ja 1912;—VI. *Muhlenbergia* 7: 139. 15 F 1912;—VII. *Muhlenbergia* 8: 20. 29 F 1912;—VIII. *Muhlenbergia* 8: 47, 48. 25 Ap 1912.
- Hill, E. J.** Notes on *Lepidozia selacea*. *Bryologist* 15: 44, 45. My 1912.
- Hitchcock, A. S.** *Andropogon fasciculatum* (L.) Thellung. *Repert. Sp. Nov.* 10: 461-464. 10 Ap 1912.
- Hopkins, L. S.** *Lycopodium Selago* from Ohio. *Am. Fern Jour.* 2: 46-49. 11 My 1912. [Illust.]
- Howe, R. H.** The lichens of the Linnean Herbarium with remarks on Acharian material. *Bull. Torrey Club* 39: 199-203. 17 My 1912. [Illust.]
- Howe, R. H.** *Oropogon loxensis* and its North American distribution. *Mycologia* 4: 152-156. *f.* 1, 2. My 1912.
- Howe, R. H.** Some lichens from Nantucket Island, Massachusetts. *Rhodora* 14: 88-90. 1 My 1912.
- Iishiba, E.** Mosses common to North America and Japan. *Bryologist* 15: 39-41. My 1912.
Edited by J. M. Holzinger.
- Jennings, O. E.** Some rare Ohio plants from Ashtabula County, Ohio. *Torrey* 12: 107-110. *f.* 1. My 1912.
- Kauffman, C. H.** Mushrooms. *Nat. Stud. Rev.* 8: 172-181. *f.* 1-4. My 1912.
Discusses in popular style certain edible and poisonous fungi.
- Kennedy, P. B.** Alpine plants—V. *Muhlenbergia* 7: 133-136. *pl.* 9. 15 F 1912;—VI. *Muhlenbergia* 8: 18, 19. *f.* 1. 29 F 1912;—VII. *Muhlenbergia* 8: 25, 26. *f.* 2. 30 Mr 1912;—VIII. *Muhlenbergia* 8: 46, 47. *f.* 3. 25 Ap 1912.
- Knowlton, C. H., and others.** Reports on the flora of the Boston district—XIII. *Rhodora* 13: 248-251. 19 D 1911;—XIV. *Rhodora* 14: 76-78. 8 Ap 1912.

- Kükenthal, G.** *Cyperaceae-caricoideae*. Pflanzenreich 4²⁰: 1-824. f. 1-128. 1909.
- Livingston, B. E.** The choosing of a problem for research in plant physiology. Plant World 15: 73-82. Ap 1912.
- Livingston, B. E.** Present problems in soil physics as related to plant activities. Am. Nat. 46: 294-301. My 1912.
- Macbride, T. H.** "The passing of the slime-moulds." Science 11. 35: 741-743. 10 My 1912.
- Macfarlane, J. M.** *Nepenthaceae*. Pflanzenreich 4¹¹¹: 1-92. f. 1-19. 1908.
- Macfarlane, J. M.** *Sarraceniaceae*. Pflanzenreich 4¹¹⁰: 1-38. f. 1-11. 1908.
- Mackie, D. B.** A new coconut pest. Philip. Agr. Rev. 5: 142, 143. pl. 4. Mr 1912.
- McMurray, N.** May flowers with leaf names. Am. Bot. 18: 42-44. My 1912.
- May, J. B.** Further notes on the flora of Duxbury, Massachusetts. Rhodora 14: 90, 91. 1 My 1912.
- Meyer, R.** Über *Echinocactus ingens* Zucc. und seine Standortsvarietäten. Monats. Kakteenk. 22: 42-44. 15 Mr 1912; 22: 57-60. 15 Ap 1912.
- Meyer, R.** Weiteres über *Echinocactus myriostigma* S.-D. und seine Standortsvarietäten. Monats. Kakteenk. 22: 49. 15 Ap 1912.
- Moore, C. L.** Some Nova Scotian aquatic fungi. Trans. Nova Scotia Inst. Sci. 12: 217-238. 18 Mr 1912.
- Nichols, G. E.** Notes on Connecticut mosses—III. Rhodora 14: 45-52. 5 Mr 1912.
- Nicholson, W. E.** The genus *Claopodium* in Europe. Bryologist 15: 41-44. My 1912.
- Noter, R. de.** Notes sur les *Agave*, *Dasyllirion*, *Bonaparteia* et *Beschorneria*. Rev. Hort. Belge et Étrangère 38: 33-35. 15 Ja 1912; 96, 97. 15 Mr 1912; 144-146. 1 My 1912.
- Osterhout, G. E.** New plants from Colorado. Muhlenbergia 8: 44, 45. 25 Ap 1912.
- Cogswellia concinna* sp. nov. and *Gnaphalium decurrens glandulosum* var. nov.
- Parish, S. B.** Red snow. Am. Bot. 18: 33-35. My 1912.
- Sphaerella nivalis*.
- Pearl, R.** Further notes regarding selection index numbers. Am. Nat. 46: 302-307. My 1912.
- Pfeiffer, N. E.** Abnormalities in prothallia of *Pteris longifolia*. Bot. Gaz. 53: 435-438. f. 1-4. 15 My 1912.
- Reynolds, E. S.** Relations of parasitic fungi to their host plants—I.

- Studies of parasitized leaf tissue. *Bot. Gaz.* **53**: 365-395. *f.* 1-9. 15 My 1912.
- Riddle, L. W.** An enumeration of lichens collected by Clara Eaton Cummings in Jamaica—I. *Mycologia* **4**: 125-140. My 1912.
Lists 114 species and includes 11 new species in *Biatora* (3), *Buellia* (1), *Catillaria* (1), *Megalospora* (2), *Bilimbia* (3), and *Erioderma* (1).
- Rigg, G. B.** Notes on the ecology and economic importance of *Nereocystis Luetkeana*. *Plant World* **15**: 83-92. *f.* 1-8. Ap 1912.
- Robinson, C. B.** Philippine *Urticaceae*—II. *Philip. Jour. Sci.* **6**: (Bot.) 299-314. S 1911.
Includes descriptions of 6 new species.
- Rolfe, R. A.** The evolution of the *Orchidaceae*. *Orchid Rev.* **19**: 68, 69. Mr 1911; 289-292. O 1911.
- Rolfe, R. A.** *Schomburgkia Lueddemani*. *Curt. Bot. Mag.* IV. **8**: *pl.* 8427. Ap 1912.
An orchid from Venezuela.
- Safford, W. E.** Notes of a naturalist afloat—II. *Am. Fern Jour.* **2**: 1-12. *pl.* 1. 29 F 1912. [Illust.];—III. *Am. Fern Jour.* **2**: 33-46. *pl.* 2, 3. 11 My 1912.
- Schaffner, J. H.** Key to the fruits of the genera of trees of the northern United States. *Ohio Nat.* **12**: 506-512. Ap 1912.
- Schaffner, J. H.** The North American lycopods without terminal cones. *Ohio Nat.* **12**: 497-499. *f.* 1-4. Ap 1912.
- Schlechter, R.** *Orchidaceae novae et criticae*—XXVI. *Repert. Sp. Nov.* **10**: 291-296. 31 Ja 1912; Decas XXVII-XXVIII. *Repert. Sp. Nov.* **10**: 352-363. 20 F 1912; Decas XIX-XX. *Repert. Sp. Nov.* **10**: 385-397. 15 Mr 1912; Decas XXI-XXIII. *Repert. Sp. Nov.* **10**: 445-461. 10 Ap 1912.
- Seaver, F. J.** The genus *Lasiosphaeria*. *Mycologia* **4**: 115-124. *pl.* 66, 67. My 1912.
Includes a key to the species and figures. *Lasiosphaeria multiseptata* and *L. jamaicensis* spp. nov. are also described.
- Sherff, E. E.** The vegetation of Skokie Marsh, with special reference to subterranean organs and their interrelations. *Bot. Gaz.* **53**: 415-435. *f.* 1-10. 15 My 1912.
- Skan, S. A.** *Calceolaria Forgetii*. *Curt. Bot. Mag.* IV. **8**: *pl.* 8436. My 1912.
A plant from Peru.
- Smith, C. P.** Studies in the genus *Erythrocoma* Greene—I. *Muhlenbergia* **8**: 1-11. *pl.* 1-3. 29 F 1912.
- Spaulding, P.** Notes upon tree diseases in the eastern states. *Mycologia* **4**: 148-151. My 1912.

Among these diseases are the chestnut blight, *Lophodermium nervisequum*, *Peridermium fructigenum*, *Myxosporium acerinum*, and *Phoma picicena*.

Spillman, W. J. The present status of the genetics problem. *Science* II. **35**: 757-767. 17 My 1912.

Sturgis, W. C. A guide to the botanical literature of the *Myxomycetes* from 1875 to 1912. *Colorado Col. Publ. Sci.* **12**: 385-433. 1 Je 1912.

Swingle, W. T. Observations sur quelques espèces indo-chinoises des genres *Atalantia* et *Glycosmis*. *Not. Syst.* **2**: 158-160. 20 D 1911; 161-163. *f. 1*. 25 Mr 1912.

Taylor, N. Our native shrubs and what may be done with them. *Garden Mag.* **15**: 166-168. Ap 1912.

Taylor, N. Some modern trends in ecology. *Torreya* **12**: 110-117. My 1912.

Theissen, F. Zur Revision der Gattung *Dimerosporium*. *Beih. Bot. Centralb.* **29**: 45-73. 12 Ap 1912.
Includes several American species.

Thornber, J. J. Botany. *Ann. Rep. Univ. Arizona Agr. Exp. Sta.* **1911**: 533-540. 30 D 1911.

Thornber, J. J. Native cacti as emergency forage plants. *Univ. Arizona Agr. Exp. Sta. Bull.* **67**: 457-519. 20 D 1911.
Includes notes on cultural work, a key to the species, etc.

Tillman, O. I. Purity and germination of agricultural and vegetable seeds sold in North Carolina. *North Carolina Dept. Agr. Bull.* **32**: 5-78. *pl. 1-8 + f. 1, 2*. O 1911.

Tullsen, H. Some Dakota wild flowers. *Am. Bot.* **18**: 1-7. F 1912; 35-39. My 1912. [Illust.]

Vaupel, [F.] *Echinocactus nidulans* Quehl. *Monats. Kakteenk.* **22**: 50. 15 Ap 1912. [Illust.]

Vaupel, F. Fünf neue, von J. N. Rose beschriebene Opuntien. *Monats. Kakteenk.* **22**: 60-62. 15 Ap 1912.

Vries, H. de. *Oenothera nanella*, healthy and diseased. *Science* II. **35**. 753, 754. 10 My 1912.

Ware, R. A. Letter to the members of the American Fern Society. *Am. Fern Jour.* **2**: 58-62. 11 My 1912.

Webber, H. J. Conservation ideals in the improvement of plants. *Pop. Sci. Mo.* **80**: 578-586. Je 1912.

Weingart, W. *Cereus platygonus* Otto. *Monats. Kakteenk.* **22**: 50-56. 15 Ap 1912.

Wellington, R. Influence of crossing in increasing the yield of the tomato. *N. Y. Agr. Exp. Sta. Bull.* **346**: 57-76. Mr 1912.

- Wester, P. J.** The mango. Philip. Bur. Agr. Bull. 18: 6-60. *pl.* 1-9
1911.
- Wester, P. J.** Roselle, its cultivation and uses. Philip. Agr. Rev. 5
123. *pl.* 1-3 + *f.* 1. Mr 1912.
Hibiscus Sabdariffa L.
- Winslow, E. J.** Some hybrid ferns in Connecticut. Am. Fern Jour. 2
63. 11 My 1912.
- Whetzel, H. H., & Rosenbaum, J.** The diseases of ginseng and their
control. U. S. Dept. Agr. Plant Ind. Bull. 250: 7-44. *pl.* 1-12 + *f.*
1-5. 30 Ap 1912.
- Wright, C. H.** *Agave protuberans*. Curt. Bot. Mag. IV. 8: *pl.* 8429.
Ap 1912.
A plant from Mexico.